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November 1,2002

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NOV - 1 2002

Marlone H. Dortch, Esquire Secretary Federal Communications Commission The Portals 445 12th Street, SW Washington, DC 20554

FEDERAL COMMUNICATIONS COMMISSION OFFICE OF THE SECRETARY

Re: Triton PCS License Co. L.L.C. Quarterly E911 Report CC Dkt. No. 94-102

Dear Ms. Dortch:

On behalf of Triton PCS License Co. L.L.C. ("Triton"), we hereby submit for filing Triton's first E911 Quarterly Report, as requested.

Sincerely,

Christina H. Burtow

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# Before the FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

NOV - I 2002

In the Matter of	) FEDERAL COMMUNICATIONS COMMISSION ) OFFICE OF THE SECRETARY
Revision of the Commission's Rules	CC Docket No. 94-102
To Ensure Compatibility with	)
Enhanced 911 Emergency Calling Systems	)
Phase 11 Compliance Deadlines for Non-	)
Nationwide CMRS Carriers	)

To: Chief, Wireless Telecommunications Bureau Chief, Enforcement Bureau

### TRITON PCS LICENSE COMPANY L.L.C. PHASE II E911 IMPLEMENTATION REPORT NOVEMBER 1,2002

Triton PCS License Company L.L.C. ("Triton"), by its attorneys, hereby submits its first quarterly enhanced 911 ("E911") report to the Federal Communications Commission ("Commission") pursuant to the Commission's decision to afford Tier II carriers additional time to meet their Phase II E911 obligations. In this report, as required by the *Order to Stay*, Triton updates the status of its pending Phase I and Phase II E911 waiver requests and reports on its deploynicnt progress. Triton also provides additional information about its recent decision to change its E911 technology choice for its emerging GSM network from an Enhanced Observed Time Difference ("E-OTD") based location solution to a network-based solution.

<sup>&</sup>lt;sup>1</sup>Revisions to the Commission's Rules to Ensure Compatibility with Enhanced 91 I Emergency Calling Systems, Phase II Compliance Deadline for Nnn-Nationwide CMRS Carriers, *Order to Stay*, CC **Dkt.** No. 94-102, FCC 02-210, paras. 28-31 (July 26, 2002) (hereinafter "*Order to Stay*"). Tier II carriers are defined as non-nationwide carriers that liad over 500,000 subscribers as of year-end 2001

As required in the *Order to Stay*, Triton is providing this quarterly report to the Executive Directors of APCO, NENA and NASNA and their counsel.

Letter from J.G. Harrington and Christina H. Burrow, Triton PCS License Company, L.L.C., to Marlene II. Dortch, FCC, in CC Dkt. 94-102 (filed October 9, 2002) (notifying the Commission of Triton's decision to change Phase II E91 I technology for its GSM network from the E-OTD handset-based to a network-based technology using Grayson TDOA/AOA equipnient).

### I. STATUS OF PENDING E911 PHASE I AND II REQUESTS.

Triton currently operates a wireless network that covers approximately 13.6 million people in Virginia, North and South Carolina, northeastern Tennessee and nortlieni Georgia. This service area covers six major trading areas ("MTAs") and thirty-six basic trading areas ("BTAs"), primarily in rural and secondary markets. The Triton network currently utilizes TDMA technology. Within the next year, Triton plans to overlay GSM technology over the majority of its network.

Triton continues to make significant progress in its efforts to deploy Phase I location capability services. To date, Triton has received 153 requests for Phase I service. Of those requests, 146 (95%) are in service or in progress and 7 (5%) are on hold. Specific details regarding these requests, including the details applicable to each request that has been pending for more than six months, are included in Appendix A to this report.

Triton also is making significant progress towards fulfilling requests for Phase II service. Currently, Triton has 37 pending Phase II requests. Under the *Order to Stay*, Trilon is not required to have Phase II service in place until March 1, 2003, or six months after a request, whichever is later. Nevertheless, as detailed in Appendix B to this report and as discussed further below, Triton is working diligently to implement Phase II service and expects to have Phase II service available in its markets before the March 1 deadline.

Appendices A and B include information on all pending requests for Phase I and Phase II service received from individual public safety answering points ("PSAPs"). These appendices list the name of the PSAP, the date the request was received, whether or not the request is valid, and the status of the request.' To the extent that any request has been pending for more than six

<sup>&</sup>lt;sup>4</sup> Order to Stay, supra note 1, at para. 39.

<sup>&</sup>lt;sup>5</sup> *ld.* at para, 29.

months, the appendices list the specific reasons for the delay, the steps taken to resolve the problem, and the anticipated date of full completion of the necessary work.<sup>6</sup>

# 11. TRITON IS DEPLOYING NETWORK BASED TDOA/AOA LOCATION HARDWARE WITHIN ITS MARKETS TO SERVICE ITS PHASE II REQUESTS.

No deployment benchmark date fell due in the period preceding this quarkerly report. The following is a description of the work undertaken by Triton to prepare its network to meet the first March 1, 2003 benchmark date

As indicated in its November 30, 2001, petition for waiver, Triton is committed to a network-based location system for its existing TDMA network.' During the summer of 2002, to prepare for the deployment of time difference of arrival/angle of arrival ("TDOA/AOA") hardware to Triton's cell sites, Triton undertook market planning, market design, and site surveys. To increase Triton's efficiency and effectiveness in responding to PSAI' Phase II requests, certain groups of PSAP Phase II requests have been consolidated and Triton will deploy E911 solutions for these PSAPs as a single market area. This will allow the TDOA/AOA equipment to "share" resources among several PSAPs, thus using resources more efficiently to better implement E911 Phase II service.

Triton identified certain cell sites and counties where TDONAOA deployment may be subject lo delays or obstacles. For example, and as detailed in Appendix B, zoning issues in Charlottesville, Virginia/Albermarle County have delayed the installation of equipment at the Triton cell sites. Currently, TDOA/AOA hardware has been installed into approximately 30 cell sites in requesting PSAP areas, with additional deployments scheduled for November. Triton is

Petition for Waiver of the E91 I Phase II Location Technology Implementation Rules, CC Dkr. 94-102 (Nov. 30, 2001).

<sup>&</sup>lt;sup>1</sup> Id

conducting non-911 call testing in the deployed areas. Initial results have yielded accurate and acceptable results.

The necessary software to support the network-based solution has been installed within Triton's mobile switching centers ("MSCs"). The central controller for the TDOA/AOA location network has been installed in one of Triton's MSC locations and has been tested. Triton expects that the necessary E5 links to Triton's mobile positioning center ("MPC") provider from the TDOA/AOA network will be ready for the initial PSAP integration in November. Where equipment has been installed, Triton has coordinated integration testing with the PSAPs to occur after the necessary E5 links have been installed and tested. Coordination for the next level of TDOA/AOA hardware installation also is under way.

Given that the tirst benchmark requires Triton to provide Phase II E911 service Io at least fifty percent of a requesting PSAP's coverage area or population, Triton has been tracking the 911 calls made over its network. This monitoring has allowed Triton to prioritize the deployment of the TDONAOA hardware in heavier volume E911 Phase II areas. Cell sites are mapped according to the volume of 911 calls placed over the monitoring period.

#### III. LOCATION TECHNOLOGY CHANGE FOR GSM OVERLAY NETWORK

In its initial waiver request, Triton informed the Commission of its plans to use E-OTD technology for a GSM network overly of its existing TDMA network. As Triton proceeded with its GSM network overlay planning and implementation, however, several major issues and concerns arose that made the E-OTD location solution for GSM an economically and technically difficult location solution for Triton. First, Triton began to receive conflicting information regarding the operation of E-OTD technology from Triton's two GSM network infira-structure

vendors. Second, Triton became concerned when it learned that only a limited number of E-OTD capable handsets were available, with the majority being very high end handsels. Finally, when the costs of E-OTD were considered in connection with other alternatives, Triton determined that the technology did not provide it with a cost effective E911 solution.

During the summer of 2002. Triton's two network infra-structure vendors began to provide Triton differing information regarding the availability of Location Measurement Units ("I.MUs"). Triton's vendors also disagreed about the installation and operational characteristics of the LMUs. These disagreements led to concerns about the ability of the vendors to provide the necessary equipment in a timely fashion as well as concerns over the overall capabilities of E-OTD.

Triton also discovered during the summer of 2002 that it would be required to install additional antennas to support the LMUs. **As** the majority of Triton's sites are leased facilities, adding additional antennas not only would be extremely costly, but would require Triton to renegotiate its leases, To do so would necessitate that Triton address zoning and tower loading impact requirements and assess the terms of its current leases, all of which are costly and time consuming activities.

The availability of E-OTD capable handsets also was of major concern to Triton. **As** its implementation dates grew nearer, Triton's review of the available handsets showed that most GSM handsets are not E-OTD compatible. While some handsets are E-OTD compatible, they are very expensive – much more so than the average Triton handset. Reasonably priced, available handsets are critical to Triton's transition to a GSM network, and a lack of E-OTD

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<sup>&</sup>lt;sup>8</sup> Petition for Waiver of the E911 Phase II Location Technology Implementation Rules. CC Dkt. 94-102 (Aug. 3, 2001); See also Petition for Waiver of the E911 Phase II Location Technology Implementation Rules, CC Dkr. 94-102 (Nov. 30, 2001).

handsets would have an immediate impact on Triton's ability to meet the E-OTD handset deployment requirements during the roll out of its new GSM service.

Finally, the costs of E-OTD implementation were growing ever higher. For example, additional network elements within the MSC and the base station controller ("BSC") are required to support E-OTD technology. Triton found that the costs connected with providing these additional network elements were prohibitive for a Tier II carrier like Triton, as E-OTD deployment essentially would force Triton to purchase duplicate elements of the network-based location system it is currently using for its TDMA network.

After considering all of these factors, and evaluating the status of CSM location capability from its network based location equipment provider, Triton determined that it could best meet its E911 obligations for its GSM network overlay with a network-based solution. Triton is, therefore, currently working with its network-based location vendor, Grayson Wireless, to implement CSM capability within its TDOA/AOA network-based location equipment. Because Triton already is deploying Grayson's TDOA/AOA hardware, Grayson was the logical choice to add the capability to service E911 Phase II for Triton's GSM network overlay. Triton anticipates testing this new GSM capability in one of its markets by December 2002. As Triton will not be providing commercial service using its GSM network until some time during the first quarter of 2003 at the carliest, Triton expects to have its GSM E911 solution up and running in each of its markets as commercial service begins.

#### **AFFIDAVIT**

I,, an officer of TRITON PCS LICENSE Co. L.L.C. ("Triton"), declare under penalty of perjury pursuant to 47 C.F.R. § 1.16 of the Federal
Communications Commission's rules that to the best of my knowledge and belief the foregoing
is true and correct.

Name
EVY & CFO

Triton PCS License Co. L.L.C.

November 1,2002

## IV. ADDITIONAL QUESTIONS

Should there be any questions or if any additional information is required, contact the undersigned

Respectfully submitted,

TRITON PCS LICENSE COMPANY, LLC

hist Hr

J.G. Harrington Christina H. Burrow

Its Attorneys

DOW LOHNES AND ALBERTSON, PLLC 1200 New Hampshire Ave., NW Suite 800 Washington, DC 20036

(202) 776-2000

November 1, 2002

#### **CERTIFICATE OF SERVICE**

I, Edward J. Palmieri, do hereby certify that on this 1st day of November, 2002, a copy of the foregoing TRITON PCS LICENSE Co. L.L.C. Quarterly E911 Report was served by U.S. Mail, first-class postage prepaid to the following:

Jim Gocrkc Interim Executive Director NENA 422 Beecher Rd. Gahanna, OH 43230-1797

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Evelyn Bailey President NASNA Vermont Enhanced 9-1-1- Board 94 State Street Drawer 20 Montpelier, VT 05620-6501 Thomas J. Sugrue Chief Wireless Telecommunications Bureau Federal Communications Commission 445 12th Street, SW, Room 3-c252 Washington, DC 20554

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Jeanette Thomton OMB Desk Officer 10236 NEOB 725 – 17th Street. NW Washington, DC 20503

Edward J. Balmieri

## Triton PCS License Company, L.L.C.. - Pending E911 Phase I Requests

		Date of Phase	onsidered		
		One <b>(1)</b>	alid at this		
PSAP	State	Request	time?	Status	Notes
				As of 9/19/02 - PSAP working on their equipment and is	
Beaufort County	SC	07/12/99	No	not ready	PSAP is estimating readiness soon after Jan '03
				As of 9/19/02 - PSAP working on their equipment and is	
Hilton Head Island	SC	07/12/99	No	not ready	PSAP is estimating readiness soon after Jan '03
				PSAP cannot receive 20 digits - 'partially implemented -	Anticipate if and when Phase II is requested and PSAP
				Can receive PANI and Tower Address - PSAP equipment	converts to NCAS, call back number situation will be
Fairfield County	SC	07/19/99	Partial'	cannot receive call back number	rectified, however, no guarantees
				PSAP cannot receive 20 digits - 'partially implemented -	Anticipate if and when Phase II is requested and PSAP
				Can receive PANI and Tower Address - PSAP equipment	converts to NCAS, call back number situation will be
Laurens County	sc	07/23/99	Partial'	cannot receive call back number	rectified, however, no guarantees
iii					On 10/17/02 Triton checked with PSAP for any change in
					status - PSAP indicated that they still are not ready - will
Colleton County	SC	07/26/99	No	As of 9/16/02 - PSAP still not ready	notify Triton when they are ready - no timeframe given.
			nitially No -	Initially the LEC (Verizon) was not ready to support	'As of 8/29/02 - Verizon has advised they will be ready by
Sumter County	SC	09/12/00	Now Yes'	Phase I for this county - No Selective Router in this area	year end '02 or early '03
	1	1		Facilities issue - PSAP is on a Verizon selective router	
County/City of			nitially No -	that resides in Sprint LEC territory - need to cross LATA	
Christiansburg	VA	3/8/2001	Now Yes"	with an IXC provider	Looking at December deployment
	1	1			
1 0			nitially No -	Initially the LEC (Verizon) was not ready to support	'As of 8/29/02 - Verizon has advised they will be ready by
Lee County	sc	04/16/01	Now Yes'	Phase I for this county - No Selective Router in this area	year end '02 or early '03
				Facilities issue - PSAP is on a Verizon selective router	
D			Initially No -	that resides in Sprint LEC territory - need to cross LATA	
Pulaski County	VA	7/3/2001	Now Yes'	with an IXC provider	Looking at December deployment
City of Franklin			Initially No -	'PSAP was not ready until late July. Trunks due date	
City of Franklin	VA	8/30/2001	Now Yes'	moved out several times to accomadate PSAP.	Slated for November deployment
Lib anti- Oarrati					As there is no selective router in place, Triton is unable to
Liberty County	GA	09/07/01	No	No Selective Router in place	consider this as a valid request
					Trunk order due dates have been pushed back several
					times because PSAP equipment was not in place. At this
			Initially No -	'Initially PSAP needed to order equipment - PSAP is now	1.
New Kent County	VA	9/17/2001	Now Yes*	ready	November Line Co. (C. Line Co.
					Triton PCS not licensed in Stafford however there is a
				Call routing issue between Fredericksburg and Stafford	single sector that covers part of Stafford county. Stafford
01-#			Initially No -	recently resolved by the PSAPs. Will be ordering trunks	county is AWS territory and we a+F27re negotiating with
Stafford County	VA	9/21/2001	Now Yes'	and looking at late 2002 deployment.	Fredericksburg County on call routing.

		Date <b>of</b> Phase	onsidered		
		One (1)	alid at this		
PSAP	State	Request		Status	Notes
City of Radford	VA	9/25/2001	nitially No - Now Yes'	Facilities issue - PSAP is on a Verizon selective router that resides in Sprint LEC territory. need to cross LATA	Looking at December deployment
Gloucester County	VA	10/3/2001	No	PSAP not ready until early 2003	Triton is contacting PSAP occasionally to determine statu
Southampton	V/ (	10/0/2001	nitially No -	1 or in not rough until ourly 2003	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
County	VA	11/15/2001	Now Yes'	'Migrating to new selective router.	December 02 deployment scheduled
Mecklenburg	V/ \	11/10/2001	nitially No -	Inigrating to new colocive reator.	2 depreyment consumed
County	VA	12/3/2001	Now Yes'	'Migrating to new selective router.	December 02 deployment scheduled
			nitially No -		
Sussex County	VA	12/3/2001	Now Yes'	'Migrating to new selective router	December 02 deployment scheduled
			nitially No -	'PSAP is migrating to a new selective router - Trunks	
Washington County	VA	1/4/2002	Now Yes'	ordered	December 02 deployment scheduled
				As of 9/17/02 - PSAP still working with LEC (Verizon) to	
Madison County	NC	01/08/02			PSAP advised Triton to call back after 12/1/02
_			nitially No -	Upon initial request in Jan '02, PSAP was not ready to accept Phase I info - On 9/19/02 -PSAP held a kick off	
Botetourt County	VA	1/17/2002	Now Yes*	meeting w/ PSAP a_d are now ready.	Triton is slated for December '02 deployment
				Communication error between Triton and Intrado.	
				Original cell site information proiveded to Intrado in April	
				02. Intrado did not have record of receiving info. In July,	
				info resent and we began working through normal	
Johnston County	NC	1/23/2002	Yes	deployment process.	Slated for November deployment
				According to PSAP 10/25, PSAP not ready to receive	
Nottoway County	.,,	0/05/0000	V	Phase I, Contracted Mast International to assist in	Fash, 02 Danlaymant planned
THORIOWAY County	VA	2/25/2002	Yes	deployment.  Communication error between Triton and Intrado.	Early 03 Deployment planned
				Original cell site information proiveded to Intrado in April	
				02. Intrado did not have record of receiving info. In July,	
				info resent and we began working through normal	
City of Dunn	NC	3/4/2002	Yes	deployment process.	Slated for November deployment
Only of Duffit	INC	3/4/2002	1 62	Call routing sent to PSAP 6/28/02. Originally, PSAP was	Glated for Hovelinder deployment
City of Colonial				a secondary PSAP. In 8/02, PSAP became primary. Call	
Heights	VA	3/4/2002	Yes	routing returned 9/12/02.	Looking at November Deployment
3	V/1	0/7/2002	100	Touring Touring 7/12/02.	Trunks ordered and due 10/28. Assuming PSAP is ready,
Goochland County	VA	3/20/2002	Possibly'	'Waiting for update from PSAP-Not responsive.	November deployment planned.
,			Initially No -	As of 7/18/02 . 'PSAP trunks to selective router to be	
Amelia County	VA	3/22/2002	Now Yes'	installed in 3-4 weeks	Triton is working with PSAP for a 11/01/02 implementatio

		Date <b>of</b> Phase	Considered		
		One (1)	/alid at this		
PSAP	State	Request	time?	Status	Notes
City of			Initially No -		
Fredericksburg	VA	3/29/2002	Now Yes'	PSAP is now ready (Reference Stafford County above)	Testing 10/23/02
				In process of ordering trunks Looking at Late 2002	
Smyth County	VA	4118/2002	Yes	deployment	Looking at Late 2002 deployment
				, ·	1
		1	Initially No -	Left voice mail. After further contact, PSAP is targeting	
Town of Vinton	VA	5/23/2002	Now Y	1/1/03 for implementation.	Slated for Jan 03 deployment
Greene County	VA	5/28/2002	Yes	Trunks ordered	Slated for November deployment
	I	1			
Spotsylvania County	VA	6/5/2002	Yes	10/11-Trunks ordered.	Looking at November deployment
			Initially No -		
Caroline County	VA	6/25/2002	Now Yes'	*Migrating to new selective router.	December 02 deployment scheduled
	]			associated with implementing Phase I (only one cell site	
nan County	GA	07/11/02	Yes'	in this area). No decision to proceed as of yet.	Waiting on PSAP to make final decision to implement
Dinwiddie County	VA	8/8/2002	Yes	PSAP ready	Looking at a Jan 03 turnup date.
Harnett County	NÇ	8/26,2002	Yes	PSAP ready. Trunks ordered.	Slated for November deployment
Madison County	VA	9/5/2002	Yes	PSAP ready	Slated for Early 2003 deployment
				After contacting PSAP they notified Triton that they will	
Fluvanna County	VA	9/16/2002	No	not <b>be</b> ready until early 2003	

## Triton PCS License Company, L.L.C. - Pending E911 Phase II Requests

		Date of Phase	Considered	
'SAP	State	II Request	Valid?	Status
Chesterfield	VA	2/8/2001	Yes	by Grayson in this market area in November '02.
City of Virginia Beach	VA	3/1312001	Yes	TDONAOA equipment is installed in this market area and has undergone initial connectivity testing by Grayson - Initial accuracy testing is on-going at this time - Initial PSAP testing is scheduled for the November '02 timeframe - Waiting on E5 links to be established into Triton's MPC provider.
York	VA	3/14/2001	Yes	TDONAOA equipment is installed in this market area and has undergone initial connectivity testing by Gravson - Initial accuracy testing is on-going at this time - Initial PSAP testing is scheduled for the November '02 timeframe - Waiting'on E5 links to be established into Triton's MPC provider
Spartanburg	SC	3/20/2001	Yes	Cell site preparation is being completed by Triton Grayson is schedule to install the TDONAOA equipment on November 4th - initial testing by Grayson to occur mid November
City of Hampton	VA	3/21/2001	Yes	TDONAOA equipment is installed in this market area and has undergone initial connectivity testing by Grayson - Initial accuracy (testing is on-going at this time - Initial PSAP testing is scheduled for the November '02 timeframe -Waiting on E5 links to be established into Triton's MPC provider
				TDOPJAOA equipment is installed in this market area and has undergone initial connectivity testing by Grayson - Initial accuracy testing is on aoina at this time - Initial PSAP testina is scheduled for the November '02 timeframe - Waitina on E5 links to be
City of Newport News	VA	3/27/2001	Yes	TDOPJAOA equipment is installed in this market area and has undergone initial connectivity testing by Grayson - Initial accuracy testing is on-going at this time - Initial PSAP testinque scheduled for the November '02 timeframe. Waiting on E5 links to be established into Triton's MPC provider
Dity of Chesapeake	VA	3/28/2001	Yes	[TDOAIAOA equipment is installed in this market area and has undergone initial connectivity testing by Grayson - Initial accuracy testing is on-going at this time - Initial PSAP testing is scheduled for the November '02 timeframe - Waiting on E5 links to be established into Triton's MPC provider
City of Norfolk	VA	4/1/2001	Yes	TDOAIAOA equipment is installed in this market area and has undergone initial connectivity testing by Grayson - Initial accuracy testing is on-going at this time - Initial PSAP testing is scheduled for the November '02 timeframe - Waiting on E5 links to be established into Triton's MPC provider.
James City County	   VA	     4/4/2001	     Yes	TDONAOA equipment is installed in this market area and has undergone initial connectivity testing by Gravson - Initial accuracy testing is on-going at this time - Initial PSAP testing is scheduled for the November '02 timeframe - Waiting'on E5 links to be established into Triton's MPC provider
City of Portsmouth	) VA	3/20/2001	Yes	TDOA/AOA equipment is installed in this market area and has undergone initial Connectivity testing by Grayson - Initial accuracy testing is on-going at this time - Initial PSAP testing is scheduled for the November '02 timeframe - Waiting on E5 links to be established into Triton's MPC provider.
Charlottesville City.  UVA - Albemarle				This PSAP area has undergone initial market planning by Grayson -Zoning issues have held up installation at cell sites Within Albemarle County any and all changes at a cell site must undergo zoning approval This includes items such as GPS antennas
County	VA	6/21/2001	Yes	and external cabinets at many self contained cell sites - Anticipate 90 180 day delay until installation can begin  Market plan has been reviewed and approved by Triton - initial deployment of TDONAOA equipment scheduled to be installed
City of Richmond	VA	9/6/2001	Yes	by Grayson in this market area in November '02.

		Date of Phase	Considered	
PSAP	State	II Request	Valid?	Status
City of Madiacuilla /	15.00	- Nequest	valiu:	Otatus
Henry County	VA	9/17/2001	Yes	Grayson has delivered initial market engineering plan for this PSAP area to Triton - it is currently undergoing review
City of Lynchburg	VA	9/24/2001	Yes	This area tentatively scheduled to under go initial market plan engineering for TDONAOA deployment in December '02
		3/24/2001	100	TDONAOA equipment is installed in this market area and has undergone initial connectivity testing by Grayson - Initial accuracy
Accomack/Northam				testing is on-going at this time - Initial PSAP testing is scheduled for the November '02 timeframe - Waiting on E5 links to be
pton Counties	VA	9/25/2001	Yes	established into Triton's MPC provider.
	<del>†</del>			Market plan has been reviewed and approved by Triton - initial deployment of TDONAOA equipment scheduled to be installed
Henrico		10/18/2001	Yes	by Grayson in this market area in November '02
City of Fayetteville	NC	10/19/2001	Yes	This area tentatively scheduled to under go initial market plan engineering for TDONAOA deployment in December '02
				Cell site preparation is being completed by Triton. Grayson is schedule to install the TDONAOA equipment on November 4th -
Greenville County		11/14/2001	Yes	initial testing by Grayson to occur mid November
Warren County	VA	11/19/2001	Yes	This area tentatively scheduled to under go initial market plan engineering for TDONAOA deployment in December '02
Tennessee -				
Statewide request	TN	12/28/2001	Yes	This area tentatively scheduled to under go Initial market plan engineering for TDOAIAOA deployment in December '02
Johnston County	NC	1/23/2002	Yes	This area tentatively scheduled to under go initial market plan engineering for TDONAOA deployment in December '02
City of Salem	VA	3/6/2002	Yes	This area tentatively scheduled to under go initial market plan engineering for TDONAOA deployment in December '02
Pittsylvania County		4/4/2002	Yes	This area tentatively scheduled to under go initial market plan engineering for TDONAOA deployment in December '02
Rockbridge County				
(Lexington & Buena	1			] }
Vista)	VA	5/23/2002	Yes	This area tentatively scheduled to under go initial market plan engineering for TDOA/AOA deployment in December '02
Catawba County	NC	5/24/2002	YesYes	This area tentatively scheduled to under go initial market plan engineering for TDOA/AOA deployment in December '02
Duplin County	NC	6/5/2002	Yes	This area tentatively scheduled to under ac initial market plan engineering for TDOA/AOA deployment in December '02
New Hanover	l			
County		2/26/2002		· · · · · · · · · · · · · · · · · · ·
				This PSAP is currently only being served with one cell site that actually physically does not reside within the PSAP area (calls
				from two of the three sectors on the site are routed to this PSAP). In addition, the site in question is on the edge of Triton's
				network The PSAP that handles the adjoining county to Hart County has yet to request Phase II It is doubtful that Trtion would
Lot Court	1 0.	<b>-</b>		be able to provide locations to Hart County with TDOAIAOA hardware with only one site to which to implement it in to.
Hart County	<u>G</u> A	7/11/2002	Yes'	Discussions are on-going with Hart County as to the status of their Phase II request
County of Dinwiddie		0.40.40.00		This are book to be a second and the
Hoke County	VA NC	8/8/2002	Yes	This area tentatively scheduled to under go initial market plan engineering for TDOA/AOA deployment in December '0?
McDowell County	NC NC	8/19/2002	Y	This area tentatively scheduled to under go initial market plan engineering for TDOA/AOA deployment in December '02
Harnett County	NC NC	8/22/2002	<u>Y</u> (	This area tentatively scheduled to under go initial market plan engineering for TDOA/AOA deployment in December '02
City of New Bern	NC NC	8/26/2002	Yes	This area tentatively scheduled to under go initial market plan engineering for TDOA/AOA deployment in December '02.
Columbus County	NC NC	8/27/2002		This area tentatively scheduled to under go initial market plan engineering for TDOA/AOA deployment in December '02
Nash County	NC NC	9/10/2002	Yes	This area tentatively scheduled to under go initial market plan engineering for TDOA/AOA deployment in December '02
INSSII COUNTY	NC_	9/19/2002	Y P5	This area tentatively scheduled to under go initial market plan engineering for TDOA/AOA deployment in December 10'